

**AMENDMENTS TO THE CLAIMS**

**This listing of claims will replace all prior versions and listings of claims in the application:**

**LISTING OF CLAIMS:**

1. (currently amended): A process of manufacturing an optical waveguide for optically connecting a plurality of optical devices, comprising the steps of:

disposing a resin composition between two or more optical devices, the resin composition comprising a resin and a 1,4-dihydropyridine derivative,

forming an optical path through the resin composition between the optical devices by light having a wavelength capable of inducing a structural change in the 1,4-dihydropyridine derivative, and

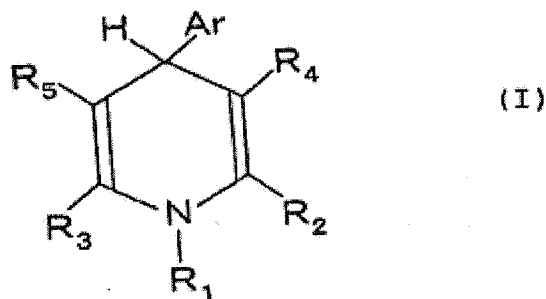
removing the 1,4-dihydropyridine derivative from the ~~resulting~~ resin composition after formation of the optical path.

2. (original): The process according to claim 1, wherein the resin comprises at least one member selected from the group consisting of polyamic acid, polyimide and polyamide-imide.

3. (original): The process according to claim 1, wherein the resin composition contains 0.1 to 30 parts by weight of the 1,4-dihydropyridine derivative per 100 parts by weight of the resin.

4. (original): The process according to claim 3, wherein the resin composition contains 1 to 5 parts by weight of the 1,4-dihydropyridine derivative per 100 parts by weight of the resin.

5. (original): The process according to claim 1, wherein the 1,4-dihydropyridine derivative comprises a compound represented by formula (I):



wherein Ar represents an aromatic group having a nitro group at the ortho position with respect to the bond to the 1,4-dihydropyridine ring; R<sub>1</sub> represents -H, -CH<sub>3</sub>, -(CH<sub>2</sub>)<sub>n</sub>CH<sub>3</sub>, -CF<sub>3</sub>, -(CF<sub>2</sub>)<sub>n</sub>CF<sub>3</sub>, -C<sub>6</sub>H<sub>5</sub>, -(CH<sub>2</sub>)<sub>n</sub>C<sub>6</sub>H<sub>5</sub>, -CH<sub>2</sub>CH=CH<sub>2</sub>, -OH, -OCH<sub>3</sub>, -O(CH<sub>2</sub>)<sub>n</sub>CH<sub>3</sub>, -OCF<sub>3</sub>, -O(CF<sub>2</sub>)<sub>n</sub>CF<sub>3</sub>, -OC<sub>6</sub>H<sub>5</sub>, -O(CH<sub>2</sub>)<sub>n</sub>C<sub>6</sub>H<sub>5</sub>, -COOH, -COOCH<sub>3</sub>, -COO(CH<sub>2</sub>)<sub>n</sub>CH<sub>3</sub>, -COCH<sub>3</sub>, -CO(CH<sub>2</sub>)<sub>n</sub>CH<sub>3</sub>, -(CH<sub>2</sub>)<sub>n</sub>OH, -(CH<sub>2</sub>)<sub>n</sub>COOH, -NO<sub>x</sub>, -F, -Cl, -Br or -I; R<sub>2</sub> and R<sub>3</sub>, which may be the same or different, each represent -H, -CH<sub>3</sub>, -(CH<sub>2</sub>)<sub>n</sub>CH<sub>3</sub>, -CF<sub>3</sub>, -(CF<sub>2</sub>)<sub>n</sub>CF<sub>3</sub>, -OH, -OCH<sub>3</sub>, -O(CH<sub>2</sub>)<sub>n</sub>CH<sub>3</sub>, -OCF<sub>3</sub>, -O(CF<sub>2</sub>)<sub>n</sub>CF<sub>3</sub>, -COOCH<sub>3</sub>, -COO(CH<sub>2</sub>)<sub>n</sub>CH<sub>3</sub>, -COCH<sub>3</sub>, -CO(CH<sub>2</sub>)<sub>n</sub>CH<sub>3</sub>, -(CH<sub>2</sub>)<sub>n</sub>OH, -(CH<sub>2</sub>)<sub>n</sub>COOH, -NO<sub>x</sub>, -F, -Cl, -Br or -I; R<sub>4</sub> and R<sub>5</sub>, which may be the same or different, each represent -H, -CN, -COOR<sub>z</sub>, -COR<sub>z</sub> or -CONHR<sub>z</sub>; n represents an integer of 1 to 4; and R<sub>z</sub> represents a hydrogen atom or an alkyl group having 1 to 6 carbon atoms.

6. (original): The process according to claim 5, wherein R<sub>1</sub> is -H, -CH<sub>3</sub> or -(CH<sub>2</sub>)<sub>n</sub>CH<sub>3</sub>, R<sub>2</sub> and R<sub>3</sub> each independently represent -H, -CH<sub>3</sub> or -(CH<sub>2</sub>)<sub>n</sub>CH<sub>3</sub>, R<sub>4</sub> and R<sub>5</sub> each independently represent -COOR<sub>z</sub> or -COR<sub>z</sub>, wherein R<sub>z</sub> is a hydrogen atom or an alkyl group having 1 to 6 carbon atoms and n is an integer of 1 to 4.

7. (original): The process according to claim 5, wherein the 1,4-dihydropyridine derivative comprises at least one compound selected from the group consisting of 1-ethyl-3,5-dimethoxycarbonyl-4-(2-nitrophenyl)-1,4-dihydropyridine, 1-methyl-3,5-dimethoxycarbonyl-4-(2-nitrophenyl)-1,4-dihydropyridine, 1-propyl-3,5-dimethoxycarbonyl-4-(2-nitrophenyl)-1,4-dihydropyridine, 1-propyl-3,5-diethoxycarbonyl-4-(2-nitrophenyl)-1,4-dihydropyridine, 2,6-dimethyl-3,5-dimethoxycarbonyl-4-(2-nitrophenyl)-1,4-dihydropyridine, 2,6-dimethyl-3,5-diacetyl-4-(2-nitrophenyl)-1,4-dihydropyridine, and 1-ethyl-2,6-dimethyl-3,5-diacetyl-4-(2-nitrophenyl)-1,4-dihydropyridine.

8. (original): The process according to claim 7, wherein the 1,4-dihydropyridine derivative comprises 1-ethyl-3,5-dimethoxycarbonyl-4-(2-nitrophenyl)-1,4-dihydropyridine.

9. (original): The process according to claim 7, wherein the 1,4-dihydropyridine derivative comprises at least one of 2,6-dimethyl-3,5-diacetyl-4-(2-nitrophenyl)-1,4-dihydropyridine and 1-ethyl-2,6-dimethyl-3,5-diacetyl-4-(2-nitrophenyl)-1,4-dihydropyridine.

10. (canceled).

11. (previously presented): The process according to claim 2, wherein the resin is fluorinated.

12. (previously presented): A connection structure of optical devices comprising:  
two or more optical devices; and

at least one optical waveguide optically connecting the optical devices, the optical waveguide being formed by a process according to any one of claims 1-9 and 11.